5. (Amended) Transformed plant and its progeny according to claim 1, characterized in that it is a useful plant.

6. (Amended) ATP/ADP translocator gene for use in a plant according to claim 1 with an Arabidopsis thaliana nucleotide sequence(EMBL Accession No. Z49227) encoding the amino acid sequence shown in Fig. 1.

9. (Amended) ATP/ADP translocator gene according to claim 6 with an upstream, operably linked promoter.

10. (Amended) Gene structure comprising an ATP/ADP translocator gene according to claim 6 and regula-tory sequences linked operably to this gene.

11. (Amended) Vector comprising an ATP/ADP translocator gene according to claim 6.

13. (Amended) Seeds of the plant according to claim 1.

14. Tissue or cells or material capable of propagation from the plant according to claim 1.

15. (Amended) Method of generating a plant with an increased amino acid content, characterized in that an ATP/ADP translocator gene according to claim 6 is transferred by recombinant methods.

16. (Amended) Use of the transformed plant according to claim 1 as useful plant or fodder plant.

17. (Amended) Use of the transformed plants according to claim 1 or of tissue or cells thereof or of extracts thereof in sectors of agriculture, the feedstuff industry, the pharmaceutical industry or in the health sector.